

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,780,536 B2
DATED : August 24, 2004
INVENTOR(S) : Debe, Mark K. et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10,

Lines 10-17, replace the formula with the following:

--
since $\cos\theta = \frac{x_0}{g}$ in Fig. 2 above.

Also from Fig. 2, $y_0 = 2 \cdot x_0 \tan\theta + w$. Replacing y_0 in (2) with this gives, from (1),

$$(3) \quad U_r(x) = -\frac{K_L}{\mu} \cdot \frac{\Delta P}{N(w+2L)} \frac{(w+2x_0/\cos\theta)}{(w+2x_0\tan\theta)} \quad --.$$

Column 11,

Lines 37-42, replace the formula with the following:

--
(5) $U_{i,r}(x) = -\frac{K_L}{\mu} \cdot \frac{\Delta P_i}{(w_i+2L_i)} \frac{(w_i+2x_0/\cos\theta_i)}{(w_i+2x_0\tan\theta_i)}, \quad \text{where } \Delta P = \sum_{i=1}^n \Delta P_i \quad --.$

Line 67, replace the formula with the following:

--
 $\rho_i(O_i) = \frac{P_{i,O_i} \cdot M}{RT} \quad \text{at that point of loop } i: --.$

Column 12,

Lines 1-5, replace the formula with the following:

--
(7) $\frac{dm_{i,O_i}}{dA}(x=L) = \frac{-K_L M}{RT\mu} \frac{P_{i,O_i} \Delta P_i}{2L_i \sin\theta_i}, \quad --.$

Line 8, replace the formula with the following:

-- ΔP_i and P_{i,O_i} --.

Line 20, replace the formula with the following:

-- For P_{i,O_i} --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,780,536 B2
DATED : August 24, 2004
INVENTOR(S) : Debe, Mark K. et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

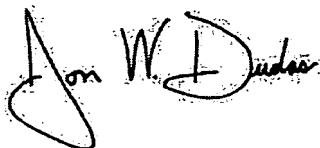
Column 12 (cont'd),
Lines 30-32, replace the formula with the following:

$$-- \quad (9) \quad p_{i,O_2} = P_{in}(O_2) \left(1 - \frac{i}{N\eta} \right) \quad --$$

Column 15,
Line 21, delete "zig-zig" and insert in place thereof -- zig-zag --.

Signed and Sealed this

Twenty-third Day of August, 2005



JON W. DUDAS
Director of the United States Patent and Trademark Office